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(12) DESCRIPTIONS OF INVENTION

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(71) Applicant information: Efremkin Pavel
Valentinovich; Gruzdev Valentin Anatol'evich

(72) Inventor information: Efremkin P.V.; Gruzdev
V.A.

(73) Grantee (assignee) information: Efremkin Pavel
Valentinovich; Gruzdev Valentin Anatol'evich

(98) Mail address: 107078 Moskva, alja 43,
"Rosgal"/"Iskona-11" Gavrilovoj E.A.

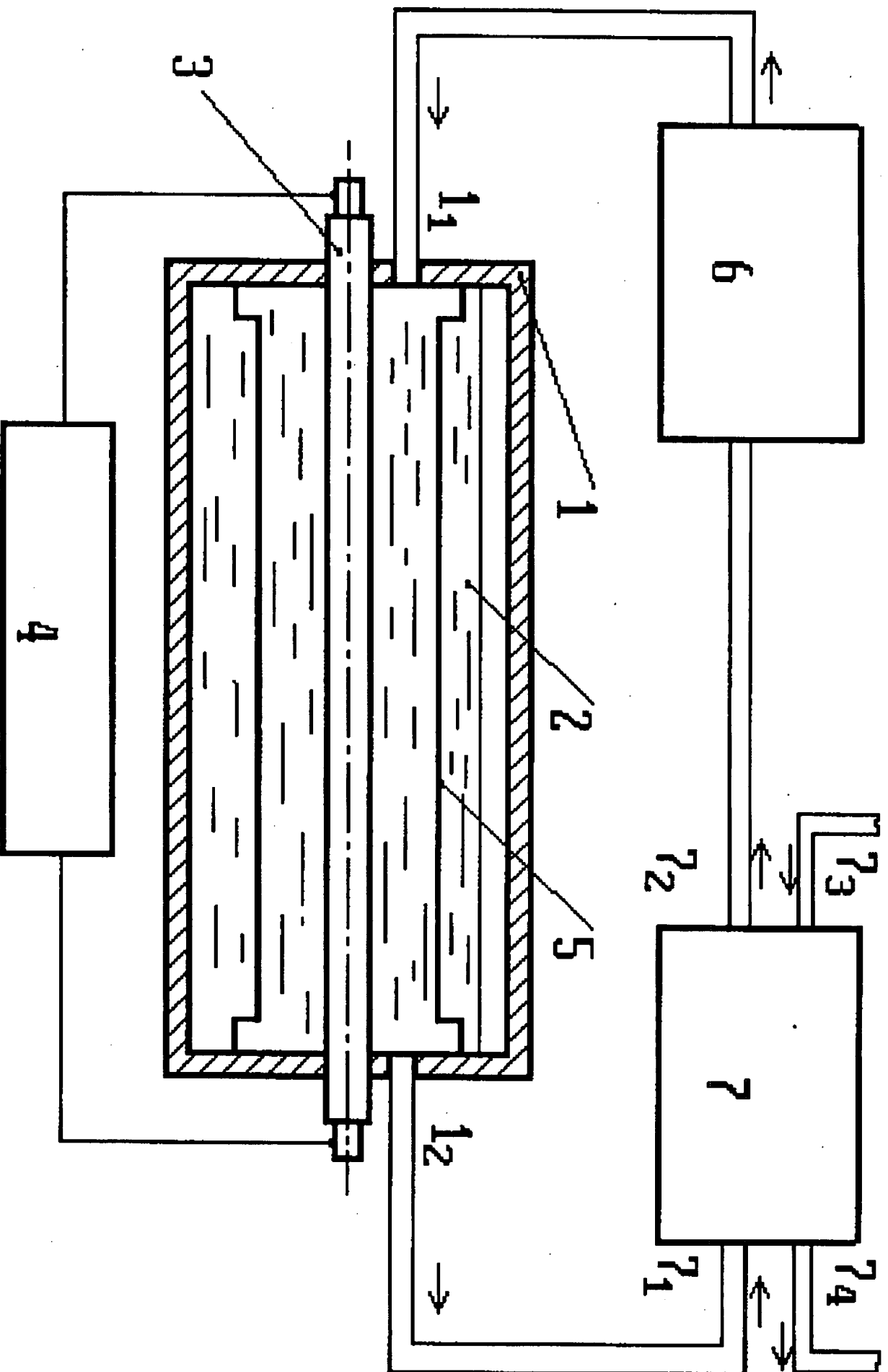
(54) METHOD AND DEVICE FOR HEAT RELEASE FROM FLUID

FIELD: heat generation. SUBSTANCE: polar fluid is exposed to optical pulse beam in vicinity of its contact with surface of fluid-immersed light-reflecting screen made of material wettable by mentioned fluid or coated with such material. Screen and long source of optical pulse beam in the form of pulsed gas-discharge tube connected to pulse voltage supply are placed in tank holding operating polar fluid. Tank is inserted in closed hydraulic loop incorporating also pump and heat exchanger. EFFECT: improved augmentation of heat transfer and amount of heat released; improved environmental friendliness. 8 cl, 5 dwg

DRAWINGS

Drawing 1

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Фиг. 1